CLAIMS

1. An aircraft security system, which has preventive means and response means in case of emergency for guaranteeing immediate disablement of any violent action by bringing perpetrators under control without any possibility of escape, attack or aggression, said security system comprising:

a cockpit (2)

with hermetic sealing for preventing penetration of gases,

with security armour-plating for preventing physical penetration,

image capturing means (1, 3);

first transmitting means for transmitting the images obtained by the image capturing means (1, 3) to the cockpit (2);

first means of independent aeration and ventilation for the cockpit (2);

storing means for storing a paralysing gas;

expulsion means for expelling the paralysing gas;

a plurality of first switched triggers located in the cockpit (2), so that a stored paralysing gas be expelled by the expulsion means and inundate the passenger cabin with complete paralysis of all people in said cabin when the images obtained by the image capturing means (1, 3) show an emergency situation;

characterized in that said security system comprises:

at least one security cabin (4)

with hermetic sealing for preventing penetration of gases,

with security armour-plating for preventing physical penetration,

independent communicating means between the at least one security cabin (4) and the cockpit (2);

second transmitting means for continuously transmitting

the images obtained by the image capturing means (1, 3) to the at least one security cabin (4);

second means of independent aeration and ventilation for the at least one security cabin (4);

a plurality of second switched triggers located in the security cabin (4), so that the stored paralysing gas be expelled by the expulsion means and inundate the passenger cabin with complete paralysis of all people in said cabin when the images obtained by the image capturing means (1, 3) show an emergency situation.

2. An aircraft security system, according to claim 1, characterized in that it further comprises:

third transmitting means for transmitting the images obtained by the image capturing means (1, 3) to ground;

receiving means for receiving an order coming from ground so that the stored paralysing gas be expelled by the expulsion means and inundate the passenger cabin with complete paralysis of all people in said cabin when the images obtained by the image capturing means (1, 3) show an emergency situation.

3. An aircraft security system, according to claim 2, characterized in that the third transmitting means comprise mobile telephony means.

4. An aircraft security system, according to claim 1, characterized in that it further comprises recording means for recording the images obtained by the image capturing means (1, 3) on a data storage means.

5. An aircraft security system, according to claim 1, characterized in that the independent communicating means between the at least one security cabin (4) and the cockpit (2) comprise at least one means selected from

audio means,

video means,
and combinations thereof.

6. An aircraft security system, according to claim 1, characterized in that the first means of aeration and ventilation and the second means of aeration and ventilation are shared by the cockpit (2) and by the at least one security cabin (4).

7. An aircraft security system, according to claim 1, characterized in that the image capturing means (1, 3) comprise at least one means of vision selected from
means of night-time vision,
means of daytime vision,
means of omnidirectional vision;
means of vision by wide angle;
means of vision provided with zoom;
and combinations thereof.

8. An aircraft security system, according to claim 1, characterized in that the image capturing means (1, 3) permit a capturing frequency of at least 14 images per second.

9. An aircraft security system, according to claim 1, characterized in that
the first transmitting means,
the second transmitting means,
carry out their functions with the images obtained by the image capturing means (1, 3) in a continuous way.

10. An aircraft security system, according to claim 2, characterized in that
the first transmitting means,
the second transmitting means,
the third transmitting means,

carry out their functions with the images obtained by the image capturing means (1, 3) in a continuous way.

11. An aircraft security system, according to claim 4, characterized in that
the first transmitting means,
the second transmitting means,
the third transmitting means,
the recording means,
carry out their functions with the images obtained by the image capturing means (1, 3) in a continuous way.

12. An aircraft security system, according to claim 4, characterized in that the image capturing means and the recording means use digital technology.

13. An aircraft security system, according to claim 1, characterized in that the triggers for the paralysing gas are provided with means for independent action by at least one flight crew member.

14. An aircraft security system, according to claim 1, characterized in that the paralysing gas is selected from
a gas and
a mixture of gases.

15. An aircraft security system, according to claim 1, characterized in that the paralysing gas is nitrous oxide.

16. An aircraft security system, according to claim 1, characterized in that it further comprises a supply of filtration masks for at least one member selected from
security members,
crew members
and combinations thereof.

17. An aircraft security system, according to claim 1, characterized in that the paralysing gas used comprises chemical components not filtered by conventional masks.